



Australian Bureau of Statistics

1407.0.55.002 - ABS.Stat - Beta: Web Services User Guide , 2013

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What is SDMX?

Includes: An explanation of SDMX (Statistical Data and Metadata Exchange)



ABS.Stat SDMX Web Service

Includes: An outline on the purpose of the ABS.Stat web service and how it operates including SDMX web services methods.



Information for building a custom .Net application to call SDMX Web Service

Includes: Details on how to build a simple C# .NET application that calls the SDMX web services.



Frequently Asked Questions

Includes: Information on dataset availability, coding and errors.

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What is SDMX?

SDMX stands for Statistical Data and Metadata Exchange - the electronic exchange of statistical information. It is an initiative that aims to foster common standards and guidelines for the exchange and sharing of statistical data and metadata, where the two are presented together, with an emphasis on aggregated data. Metadata gives context to the data exchanged, so information is immediately understandable and more useful than if it was presented without the relevant metadata. SDMX can be used within and between national statistical offices, central banks, ministries and other bodies, both nationally and internationally.

Common standards and guidelines created by SDMX enable easy access to statistical data and makes data more comparable, more meaningful and generally more usable.

(For more information about SDMX please refer to the SDMX website).

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ABS.Stat SDMX Web Service

General Overview

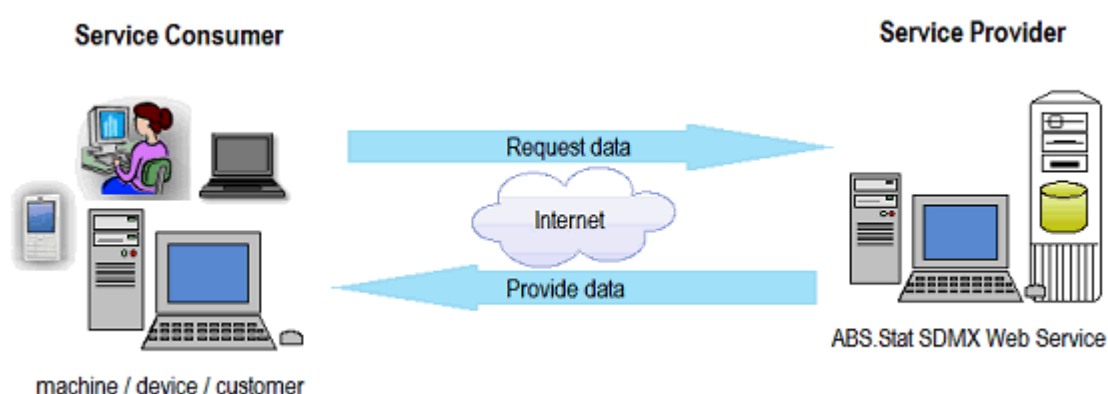


Figure 1: General overview of ABS.Stat SDMX Web Service

The purpose of the ABS.Stat SDMX Web Service is to provide a mechanism for automatic transfer of data between machines for the dissemination of ABS data. SDMX is the agreed standard (common language) for the transfer of statistical data between machines.

Technical Overview



Figure 2 : How ABS.Stat SDMX web service works

From the above diagram (Figure 2), a query message is created by the user with the necessary selection criteria to obtain the specific piece of data the user requires. The query message is then submitted to the SDMX web service via a web service function \ method call which in return provides an SDMX-formatted output file. Different query messages will be required for different web service method calls.

Access to ABS.Stat SDMX Web Service

Access to ABS.Stat SDMX web service is through the following url address:

Owner	Url to Web service	Comments
ABS	http://stat.abs.gov.au/sdmxws/sdmx.asmx	This service is made available as a part of ABS Betaworks and can be used for research and testing purposes only. Please refer to www.abs.gov.au for official data.

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SDMX Web Service Methods:

There are 9 SDMX WS methods that will be made available, these are:

- GetGenericData
- GetCompactData
- GetDataStructureDefinition
- GetDatasetMetadata
- GetDimensionMemberMetadata
- GetDimensionMetadata
- GetMetadata
- GetMetadataStructure
- GetReferenceMetadata

1. GetGenericData

This method retrieves data in a generic format from a specified ABS.Stat dataset. It requires an input parameter (ie the query) as an XML document in SDMX-ML format. An example of the GetGenericData SDMX query message is copied on the following page. The Web Service will return the query results in SDMX-ML format (see SDMX query result example below).

SDMX query message example

```
<message:QueryMessage xmlns="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/query" xmlns:message="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message" xsi:schemaLocation="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/query http://www.sdmx.org/docs/2_0/SDMXQuery.xsd http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message http://www.sdmx.org/docs/2_0/SDMXMessage.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header xmlns="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message">
    <ID>none</ID>
    <Test>false</Test>
    <Truncated>false</Truncated>
    <Prepared>2012-06-01T09:41:13</Prepared>
    <Sender id="YourID">
      <Name xml:lang="en">Your English Name</Name>
    </Sender>
    <Receiver id="ABS">
      <Name xml:lang="en">Australian Bureau of Statistics</Name>
      <Name xml:lang="fr">Australian Bureau of Statistics</Name>
    </Receiver>
  </Header>
  <Query xmlns="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message">
    <DataWhere xmlns="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/query">
      <And>
        <DataSet>CPI</DataSet>
        <Dimension id="REGION">50</Dimension>
        <Dimension id="FREQUENCY">Q</Dimension>
        <Attribute id="TIME_FORMAT">P3M</Attribute>
        <Time>
          <StartTime>2011-Q4</StartTime>
          <EndTime>2011-Q4</EndTime>
        </Time>
        <Or>
          <Dimension id="MEASURE">1</Dimension>
          <Dimension id="MEASURE">2</Dimension>
          <Dimension id="MEASURE">3</Dimension>
        </Or>
        <Or>
          <Dimension id="INDEX">10001</Dimension>
        </Or>
      </And>
    </DataWhere>
  </Query>
</message:QueryMessage>
```

```

<Dimension id="INDEX">20001</Dimension>
<Dimension id="INDEX">20006</Dimension>
<Dimension id="INDEX">20002</Dimension>
<Dimension id="INDEX">20003</Dimension>
<Dimension id="INDEX">20004</Dimension>
<Dimension id="INDEX">115486</Dimension>
<Dimension id="INDEX">20005</Dimension>
<Dimension id="INDEX">115488</Dimension>
<Dimension id="INDEX">115489</Dimension>
<Dimension id="INDEX">115493</Dimension>
<Dimension id="INDEX">126670</Dimension>
<Dimension id="INDEX">999901</Dimension>
<Dimension id="INDEX">999902</Dimension>
<Dimension id="INDEX">999903</Dimension>
</Or>
<Or>
  <Dimension id="TSEST">10</Dimension>
  <Dimension id="TSEST">20</Dimension>
</Or>
</And>
</DataWhere>
</Query>
</message:QueryMessage>

```

2. GetCompactData

This method retrieves data in a compact format from a specified ABS.Stat dataset. Similarly to GetGenericData method, it requires an input parameter (ie the query) as an XML document in SDMX-ML format and will return the query results in SDMX-ML format.

3. GetDataStructureDefinition

This method retrieves data structure definitions as well as codelists and concepts associated with a dataset. The input parameter is an XML document in SDMX-ML format and the output is an SDMX structure message (see Data Structure Definition Output example below).

SDMX query message example

```

<message:QueryMessage xmlns="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/query" xmlns:message="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message" xsi:schemaLocation="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/query http://www.sdmx.org/docs/2_0/SDMXQuery.xsd http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message http://www.sdmx.org/docs/2_0/SDMXMessage.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header xmlns="http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message">
    <ID>none</ID>
    <Test>false</Test>
    <Prepared>2012-06-01T09:33:53</Prepared>
    <Sender id="YourID">
      <Name xml:lang="en">Your English Name</Name>
    </Sender>
    <Receiver id="ABS">
      <Name xml:lang="en">Australian Bureau of Statistics</Name>
      <Name xml:lang="fr">Australian Bureau of Statistics</Name>
    </Receiver>
  </Header>
  <message:Query>
    <KeyFamilyWhere>
      <Or>
        <KeyFamily>CPI</KeyFamily>
      </Or>
    </KeyFamilyWhere>
  </message:Query>
</message:QueryMessage>

```

SDMX Data Structure Definition result example

4. GetDatasetMetadata

This method retrieves the metadata for a dataset for a specified dataset. It requires an input parameter (ie

the query) as an XML document in SDMX-ML format. An example of the GetDatasetMetadata SDMX query message is copied below. The Web Service will return the query results in SDMX-ML format (see SDMX query result example below)

SDMX query message example:

```
<message:GenericMetadataQuery
xmlns:message="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message"
xmlns:structure="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure"
xmlns:query="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query"
xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query SDMXQueryMetadata.xsd
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message SDMXMessage.xsd">
<message:Header>
  <message:ID>REG_REQ007</message:ID>
  <message:Test>true</message:Test>
  <message:Prepared>2012-06-01T09:48:05</message:Prepared>
  <message:Sender id="YourID">
    <common:Name xml:lang="en">Your English Name</common:Name>
  </message:Sender>
  <message:Receiver id="ABS">
    <common:Name xml:lang="en">Australian Bureau of Statistics</common:Name>
    <common:Name xml:lang="fr">Australian Bureau of Statistics</common:Name>
  </message:Receiver>
</message:Header>
<message:Query>
  <query:ReturnDetails/>
  <query:MetadataParameters>
    <query:AttachedDataSet>
      <common:DataProvider>
        <Ref id="ABS" maintainableParentID="" agencyID="ABS"/>
      </common:DataProvider>
      <common:ID>CPI</common:ID>
    </query:AttachedDataSet>
  </query:MetadataParameters>
</message:Query>
</message:GenericMetadataQuery>
```

5. GetDimensionMemberMetadata

This method retrieves the metadata for a particular dimension member for a specified dataset. It requires an input parameter (ie the query) as an XML document in SDMX-ML format. An example of the GetDimensionMemberMetadata SDMX query message is copied below. The Web Service will return the query results in SDMX-ML format (see SDMX query result example below)

SDMX query message example:

```
<message:GenericMetadataQuery
xmlns:message="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message"
xmlns:structure="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure"
xmlns:query="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query"
xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query SDMXQueryMetadata.xsd
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message SDMXMessage.xsd">
<message:Header>
  <message:ID>REG_REQ007</message:ID>
  <message:Test>true</message:Test>
  <message:Prepared>2012-06-01T09:50:30</message:Prepared>
  <message:Sender id="YourID">
    <common:Name xml:lang="en">Your English Name</common:Name>
  </message:Sender>
  <message:Receiver id="ABS">
    <common:Name xml:lang="en">Australian Bureau of Statistics</common:Name>
    <common:Name xml:lang="fr">Australian Bureau of Statistics</common:Name>
  </message:Receiver>
```

```

</message:Header>
<message:Query>
  <query:ReturnDetails/>
  <query:MetadataParameters>
    <query:AttachedDataKey>
      <common:KeyValue id="MEASURE">
        <common:Value>1</common:Value>
      </common:KeyValue>
    </query:AttachedDataKey>
    <query:AttachedDataSet>
      <common:DataProvider>
        <Ref id="ABS" maintainableParentID="" agencyID="ABS"/>
      </common:DataProvider>
      <common:ID>CPI</common:ID>
    </query:AttachedDataSet>
  </query:MetadataParameters>
</message:Query>
</message:GenericMetadataQuery>

```

SDMX Query result example:

6. GetDimensionMetadata

This method retrieves the metadata for a particular dimension for a specified dataset. It requires an input parameter (ie the query) as an XML document in SDMX-ML format. An example of the GetDimensionMetadata SDMX query message is copied below. The Web Service will return the query results in SDMX-ML format (see SDMX query result example below)

SDMX query message example:

```

<message:GenericMetadataQuery
  xmlns:message="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message"
  xmlns:structure="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure"
  xmlns:query="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query"
  xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query SDMXQueryMetadata.xsd
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message SDMXMessage.xsd">
  <message:Header>
    <message:ID>REG_REQ007</message:ID>
    <message:Test>true</message:Test>
    <message:Prepared>2012-06-01T09:53:17</message:Prepared>
    <message:Sender id="YourID">
      <common:Name xml:lang="en">Your English Name</common:Name>
    </message:Sender>
    <message:Receiver id="ABS">
      <common:Name xml:lang="en">Australian Bureau of Statistics</common:Name>
      <common:Name xml:lang="fr">Australian Bureau of Statistics</common:Name>
    </message:Receiver>
  </message:Header>
  <message:Query>
    <query:ReturnDetails/>
    <query:MetadataParameters>
      <query:AttachedObject>
        <Ref package="datastructure" class="Dimension" id="MEASURE" agencyID="ABS"/>
      </query:AttachedObject>
      <query:AttachedDataSet>
        <common:DataProvider>
          <Ref id="ABS" maintainableParentID="" agencyID="ABS"/>
        </common:DataProvider>
        <common:ID>CPI</common:ID>
      </query:AttachedDataSet>
    </query:MetadataParameters>
  </message:Query>
</message:GenericMetadataQuery>

```

7. GetMetadata

This method is the generic method which can retrieve the metadata for a particular dimension member, dataset, dimension and reference metadata for a specified dataset depending on the input parameter. It

requires an input parameter (ie the query) as an XML document in SDMX-ML format.

See 5. GetDimensionMemberMetadata for an example of the GetMetadata SDMX query message and method results in SDMX-ML format.

8. GetMetadataStructure

This method retrieves the metadata structure definitions (code lists and concepts) for a particular for a specified dataset. It requires an input parameter (ie the query) as an XML document in SDMX-ML format. An example of the GetMetadataStructure SDMX query message is copied below. The Web Service will return the query results in SDMX-ML format (see SDMX query result example below).

SDMX query message example:

```
<message:MetadataStructureQuery
xmlns:message="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message"
xmlns:structure="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure"
xmlns:query="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query"
xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query SDMXQueryMetadata.xsd
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message SDMXMessage.xsd">
<message:Header>
  <message:ID>REG_REQ007</message:ID>
  <message:Test>true</message:Test>
  <message:Prepared>2012-06-01T10:01:26</message:Prepared>
  <message:Sender id="YourID">
    <common:Name xml:lang="en">Your English Name</common:Name>
  </message:Sender>
  <message:Receiver id="ABS">
    <common:Name xml:lang="en">Australian Bureau of Statistics</common:Name>
    <common:Name xml:lang="fr">Australian Bureau of Statistics</common:Name>
  </message:Receiver>
</message:Header>
<message:Query>
  <query:ReturnDetails>
    <query:References>
      <query:None/>
    </query:References>
  </query:ReturnDetails>
  <query:MetadataStructureWhere>
    <query:ID>LABOUR_PRICE_INDEX</query:ID>
    <query:AgencyID>ABS</query:AgencyID>
  </query:MetadataStructureWhere>
</message:Query>
</message:MetadataStructureQuery>
```

9. GetReferenceMetadata

This method retrieves the reference metadata for a particular dimension member for a specified dataset. It requires an input parameter (ie the query) as an XML document in SDMX-ML format. An example of the GetDimensionMemberMetadata SDMX query message is copied below. The Web Service will return the query results in SDMX-ML format (see SDMX query result example below).

SDMX query message example:

```
<message:GenericMetadataQuery
xmlns:message="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message"
xmlns:structure="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/structure"
xmlns:query="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query"
xmlns:common="http://www.sdmx.org/resources/sdmxml/schemas/v2_1/common"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/query SDMXQueryMetadata.xsd
http://www.sdmx.org/resources/sdmxml/schemas/v2_1/message SDMXMessage.xsd">
<message:Header>
  <message:ID>REG_REQ007</message:ID>
  <message:Test>true</message:Test>
  <message:Prepared>2012-06-01T10:03:45</message:Prepared>
  <message:Sender id="YourID">
```

```

        <common:Name xml:lang="en">Your English Name</common:Name>
    </message:Sender>
    <message:Receiver id="ABS">
        <common:Name xml:lang="en">Australian Bureau of Statistics</common:Name>
        <common:Name xml:lang="fr">Australian Bureau of Statistics</common:Name>
    </message:Receiver>
</message:Header>
<message:Query>
    <query:ReturnDetails/>
    <query:MetadataParameters>
        <query:AttachedDataKey>
            <common:KeyValue id="INDEX">
                <common:Value>THRPEB</common:Value>
            </common:KeyValue>
            <common:KeyValue id="INDUSTRY">
                <common:Value>-</common:Value>
            </common:KeyValue>
            <common:KeyValue id="REGION">
                <common:Value>0</common:Value>
            </common:KeyValue>
            <common:KeyValue id="FREQUENCY">
                <common:Value>Q</common:Value>
            </common:KeyValue>
            <common:KeyValue id="TIME">
                <common:Value>2011Q4</common:Value>
            </common:KeyValue>
            <common:KeyValue id="MEASURE">
                <common:Value>2</common:Value>
            </common:KeyValue>
            <common:KeyValue id="TSEST">
                <common:Value>30</common:Value>
            </common:KeyValue>
            <common:KeyValue id="SECTOR">
                <common:Value>7</common:Value>
            </common:KeyValue>
        </query:AttachedDataKey>
        <query:AttachedDataSet>
            <common:DataProvider>
                <Ref id="ABS" maintainableParentID="" agencyID="ABS"/>
            </common:DataProvider>
            <common:ID>CPI</common:ID>
        </query:AttachedDataSet>
    </query:MetadataParameters>
</message:Query>
</message:GenericMetadataQuery>

```

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Information for building a custom .Net application to call SDMX Web Service

Below is general information on how to build a simple C# .NET application that calls the SDMX web services.

Set up

Set up C#.NET developer environment i.e. Visual Studio 2010

Create C# project (application form or web application)

Create a 'web references' to the SDMX web service

<http://stat.abs.gov.au/sdmxws/sdmx.asmx>

Build an SDMX Query

Create a function / method to build a SDMX query message specific to the SDMX web service call. The SDMX web service provides several methods where users can retrieve data from ABS.Stat.

The available methods are:

- GetGenericData
- GetCompactData
- GetDataStructureDefinition
- GetDatasetMetadata
- GetDimensionMemberMetadata
- GetDimensionMetadata
- GetMetadata
- GetMetadataStructure
- GetReferenceMetadata

Refer to each of the 'SDMX Query Message Example' provided above for the structure of the query message to construct and pass onto the SDMX web service.

Below is an example of C# code that builds the query messages which is then passed to the SDMX web service.

Query message builder for GetGenericData function:

```
public static XmlElement GetGenericDataQuery(string dataSetCode, string senderCode)
{
    StringBuilder query = new StringBuilder();
    query.Append(@"<message:QueryMessage xmlns=""http://www.SDMX.org/resources/SDMXXML/schemas/v2_0/query"" xmlns:message=""http://www.SDMX.org/resources/SDMXXML/schemas/v2_0/message"" xsi:schemaLocation=""http://www.SDMX.org/resources/SDMXXML/schemas/v2_0/query http://www.sdmx.org/docs/2_0/SDMXQuery.xsd http://www.SDMX.org/resources/SDMXXML/schemas/v2_0/message http://www.sdmx.org/docs/2_0/SDMXMessage.xsd"" xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance"">");
    query.Append("<message:Header>");
    query.Append("<message:ID>none</message:ID> ");
    query.Append("<message:Test>false</message:Test> ");
    query.Append("<message:Prepared>2007-02-22T00:00:00-01:00</message:Prepared> ");
    query.Append(@"<message:Sender id=""ABS"" /> ");
    query.Append(@"<message:Receiver id="" + senderCode + @"" /> ");
    query.Append("</message:Header>");
    query.Append("<message:Query>");
    query.Append("<DataWhere>");
    query.Append("<And>");
    query.Append("<DataSet>" + dataSetCode + "</DataSet> ");
}
```

```
query.Append("<Time>");
query.Append("<StartTime>1900</StartTime>");
query.Append("<EndTime>2049</EndTime>");
query.Append("</Time>");
query.Append("</And>");
query.Append("</DataWhere>");
query.Append("</message:Query>");
query.Append("</message:QueryMessage>");
```

```
XmlDocument doc = new XmlDocument();
```

```
doc.LoadXml(query.ToString());
```

```
return doc.DocumentElement;
```

```
}
```

Establish a web service connection to the server object

i.e. OECDStatSDMXwebservice svc = new OECDStatSDMXwebservice();

Call the SDMX web service

Pass the query message in XmlDocument format and store the output / result from the web service call as an xml element

```
XmlElement xe = svc.GetCompactData(GetCompactDataQuery());
```

Pipe the element to where necessary

i.e. Save to xml file use xe.WriteTo(XmlWriterPtr);

where XmlWriterPtr is of type XmlWriter

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Frequently Asked Questions

How do I know what datasets are available to download?

How do I know what the dimensions/dimension members are and their respective codes for a particular dataset?

Why do I get "500-Internal server error." errors?

Answers to Frequently Asked Questions

How do I know what datasets are available to download?

A complete listing of dataset IDs available to query can be retrieved via building a Dataset Structure Definition query message (refer to section 3) with no 'Key Family' metatags. Through calling the GetDataStructureDefinition web service and passing the DSD query message, a DSD output with a complete listing of datasets will be returned.

How do I know what the dimensions/dimension members are and their respective codes for a particular dataset?

By submitting a Dataset Structure Definition query message (refer to section 2.4.3) with a specific dataset ID, a list of dimensions and its associated dimension members are returned. In the below example (extract from CPI DSD) the 'CodeList' is the identifier for the dimension 'Region' (can be verified via the 'Concept ID' located further down in the DSD) and the 'Code Value' is the identifier for dimension member's i.e. code value of 1 = Sydney.

```
- <CodeList id="CL_CPI_LOC" agencyID="ABS">
<Name xml:lang="en">CPI_LOC codelist</Name>
- <Code value="1">
<Description xml:lang="en">Sydney</Description>
<Description xml:lang="fr">1</Description>
</Code>
- <Code value="2">
<Description xml:lang="en">Melbourne</Description>
<Description xml:lang="fr">2</Description>
</Code>
- <Code value="3">
<Description xml:lang="en">Brisbane</Description>
<Description xml:lang="fr">3</Description>
</Code>
```

Why do I get "500-Internal server error." errors?

There is a 10 minute session time limit for users to download datasets from the SDMX Web Service. So any requests that require more than 10 minutes to download will result in a "500 - Internal server error." error

message being returned to the user's application. Users should reduce the number of dataset variables requested i.e. rather requesting data from year 1900 to year 2012, request data from year 2000 to year 2012. Should users require large amounts of data, try making multiple small SDMX requests to retrieve the data needed.

Large datasets that users should be aware of and customise queries accordingly are: BA-GCCSA, BA-SA2, HF, IIP_DSID5671, LF, MECH_EXP, MECH_IMP, NRP7.

This page last updated 3 October 2013

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Australian Bureau of Statistics

1407.0.55.002 - ABS.Stat - Beta: Web Services User Guide , 2013

Latest ISSUE Released at 11:30 AM (CANBERRA TIME) 01/03/2013 First Issue

ABS.Stat Beta is a free interactive online tool that presents ABS data in a searchable, flexible and dynamic way.

ABS.Stat has web services described in a machine-processable format using the Statistical Data and Metadata Standard (SDMX) allowing machine-to-machine processes for accessing and sharing ABS data.

This user guide provides information on the use of web services, facilitating the sharing of data through a programmatic interface across the internet.

The user guide will be updated from time to time as ABS adds further functionality to the system.

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Australian Bureau of Statistics

1407.0.55.002 - ABS.Stat - Beta: Web Services User Guide , 2013

Latest ISSUE Released at 11:30 AM (CANBERRA TIME) 29/05/2013 First Issue

EXPLANATORY NOTES

ABS.Stat web services allows the exchange of data between computer systems (the machine-to-machine services) facilitating the sharing of data through a programmatic interface across the internet.

The machine-processable format used is the Statistical Data and Metadata Standard (SDMX).

This allows machine-to machine mechanisms for accessing and sharing ABS data.

This page last updated 3 October 2013

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